

# Credential Transparency and Informed Decision-Making

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# CREDENTIAL TRANSPARENCY



# OPENING FRAME

- ▶ Postsecondary education is not compulsory
- ▶ It functions like a market
- ▶ To function well, markets require good information
- ▶ Example: finding a hotel



# SCREEN SHOTS FROM THE HOSPITALITY INDUSTRY

Hotels | Indianapolis, IN

Thu, Jun 10

Fri, Jun 11


2

Top-rated

Budget options

Luxury stays

Free cancellation




Hilton Garden Inn  
Indianapolis Downtown

4.4 ★★★★★ (1,181)

15% less than usual

DEAL

\$97




The Alexander

4.5 ★★★★★ (1,509)

Free Wi-Fi

\$136

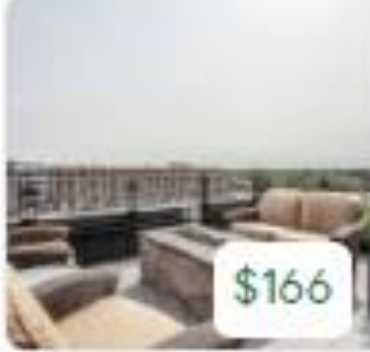


Conrad Indianapolis

4.6 ★★★★★ (1,014)

Indoor pool  
Spa

\$174




Ironworks Hotel Indy

4.8 ★★★★★ (679)

25% less than usual

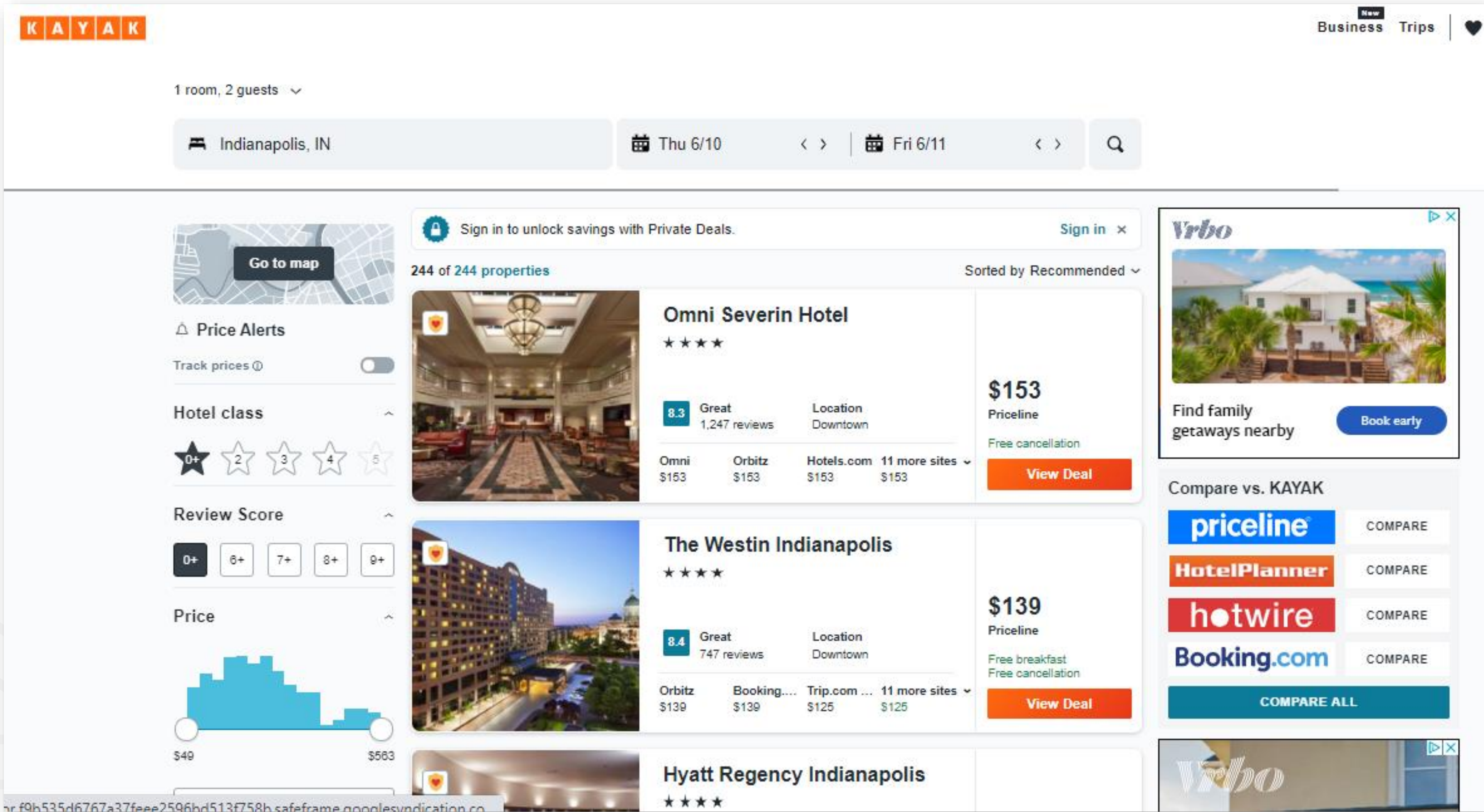
DEAL

\$166



Map data ©2021 Google

# SCREEN SHOTS FROM THE HOSPITALITY INDUSTRY



# APPLICABILITY TO POSTSECONDARY EDUCATION

- ▶ The hospitality example works because companies agreed to use **linked, open data standards**
- ▶ This allows applications like Kayak or Travelocity to access the data in a standard way and present choices to consumers
- ▶ This is what we want to do for postsecondary education



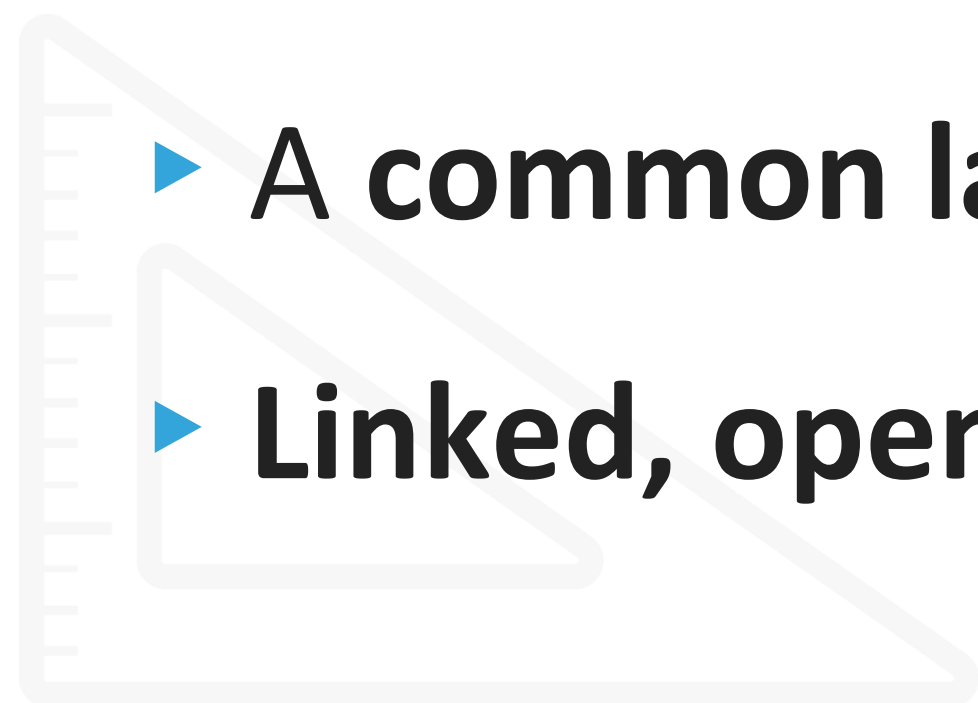
# WHAT IS A CREDENTIAL?

- ▶ Something that signifies a unique set of competencies that the holder has mastered and can apply in the workforce
- ▶ Not limited to diplomas, certificates and degrees but also include:
  - ▶ Licenses
  - ▶ Badges
  - ▶ Industry or professional certifications
  - ▶ Apprenticeships
  - ▶ Military training



# WHAT IS CREDENTIAL TRANSPARENCY?

- ▶ Publishing **all key information** about a credential that is:
  - ▶ **Easy to find**
  - ▶ **Available** when needed
  - ▶ **Easy to navigate** from one data field to another
- ▶ Transparency also requires:
  - ▶ **A common language** to describe things
  - ▶ **Linked, open data**

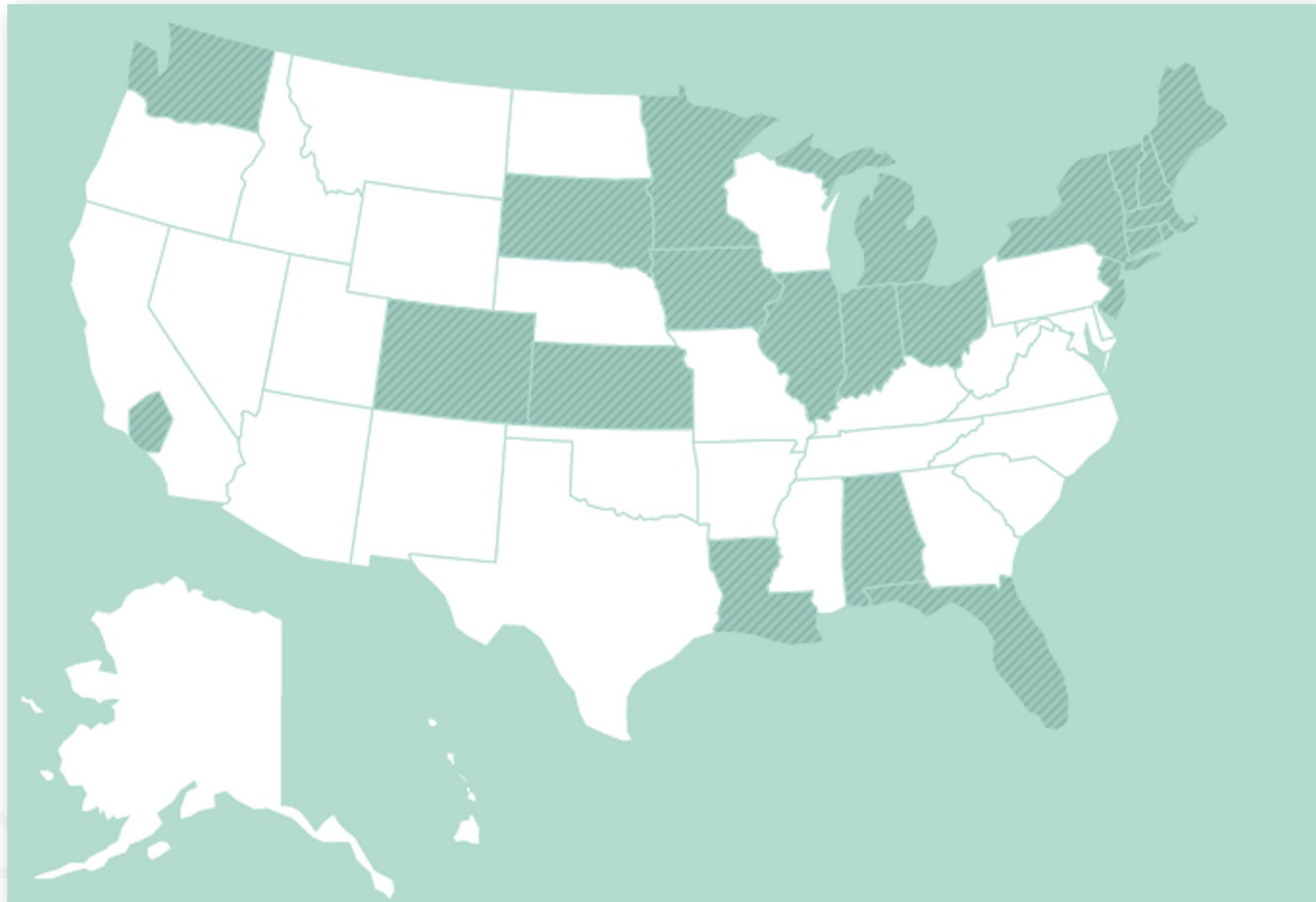


# ACHIEVING CREDENTIAL TRANSPARENCY

- ▶ Credential Engine:
  - ▶ A platform totally focused on credential transparency
  - ▶ Created in December 2016 as a **public service non-profit**
  - ▶ Enjoys strong, national support
- ▶ **Indiana 1<sup>st</sup> state** to scale-up Credential Engine (March 2017)



# 21 STATES SCALING UP CREDENTIAL ENGINE



# STRONG SUPPORT FOR CREDENTIAL ENGINE

## FUNDERS

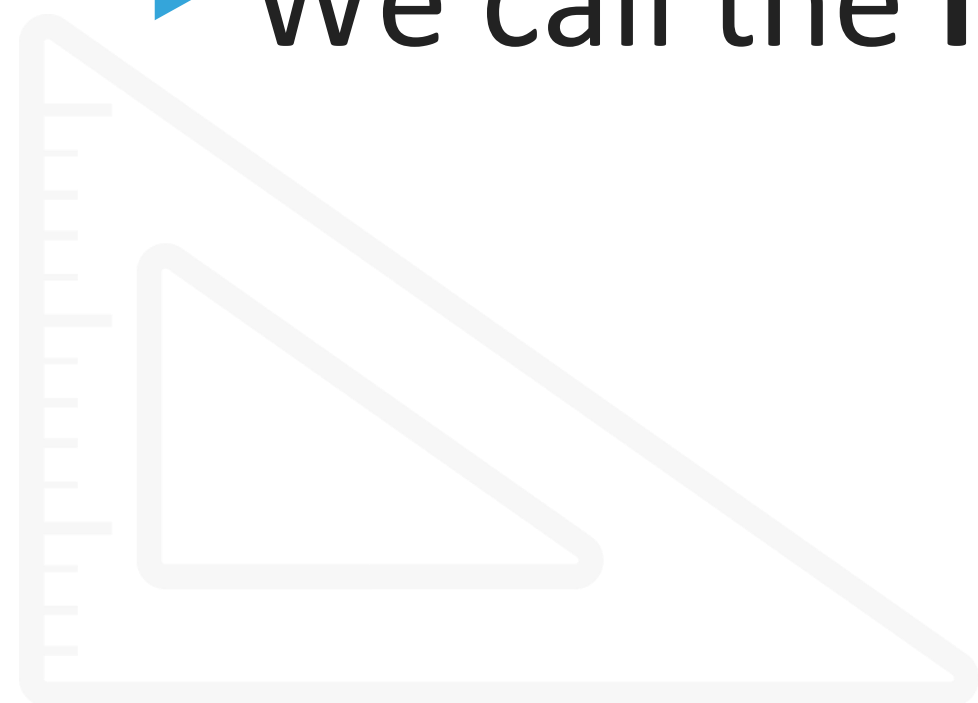
## ENDORSERS





# HOW IS DATA ABOUT CREDENTIALS ACCESSED?

- ▶ Data is published to Credential Engine's national Credential Registry
- ▶ Credential Engine developed a filter for us that:
  - ▶ Only displays data about Indiana credentials
  - ▶ Is a subset of the national Credential Registry
  - ▶ We call the **Indiana Credential Registry**



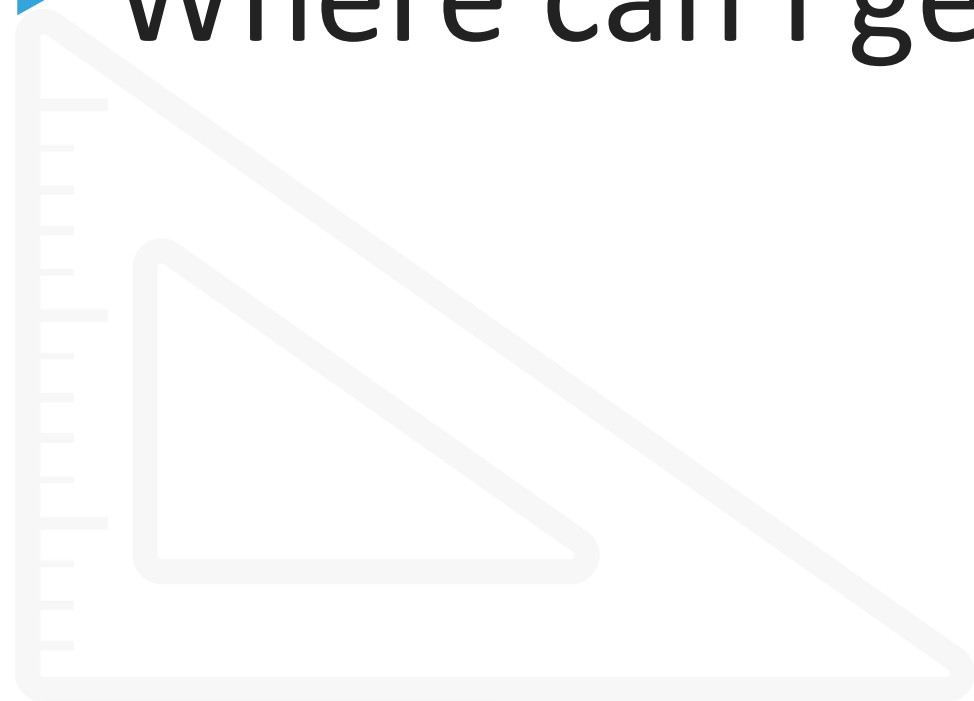
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# HOW CAN THE DATA BE USED?



## BASIC SEARCHES

- ▶ How much does a program cost?
- ▶ Is the program available through distance education?
- ▶ What is the program about?
- ▶ Where are the campuses located that offer this type of program?
- ▶ Where can I get additional information about the program or school?



1

Cost

Ivy Tech Tuition & Fees

Description: Your education doesn't have to cost a fortune, thanks to Ivy Tech Community College. Ivy Tech offers the most affordable education in Indiana, less than half the cost of other colleges

More Information

Costs

Tuition

Summary:  
The cost of attendance consists of the following base components: tuition and fees, books and supplies, transportation, room and board, and personal expenses. Adjustments may be made for certain courses. Cost of attendance estimates vary depending on a student's enrollment level and living situation.

Details

\$149.55	Tuition Payment(s): Per Credit Hour	Applies To: In-State
\$175.38	Tuition Payment(s): Per Credit Hour. Out-of-State (Online Courses Only).	Applies To: Out-Of-State
\$292.57	Tuition Payment(s): Per Credit Hour. *This rate is charged for the following instruction methods: Traditional (face-to-face), Virtual, Blended, and Learn Anywhere	Applies To: Out-Of-State
\$75	Technology Fee Payment(s): Per Semester	Applies To:
\$20	Learning Resource Payment(s): Distance Education Fee - \$20 per credit hour (applies to courses that are online or blended)	Applies To:
\$292.57	Tuition Payment(s): Per Credit Hour	Applies To: Foreign/International



# COMPARE PROGRAMS

- ▶ Which program is more expensive?
- ▶ Which program better describes what I'm looking for?
- ▶ Which program takes longer to complete?
- ▶ Which program is closer to home?



Comparing Information

2 Credentials 0 Organizations 0 Assessments 0 Learning Opportunities

A.S. in Nursing

of the Board of Trustees:

\$300.00 Mixed Fees

The following charges are made for tuition and fees each semester. The following fees are given as a guideline and are subject to change for the 2019-2020 academic year upon action of the Board of Trustees:

A.S. in Nursing

student's enrollment level and living situation.

\$292.57 Tuition Out-Of-State

The cost of attendance consists of the following base components: tuition and fees, books and supplies, transportation, room and board, and personal expenses. Adjustments may be made to the cost of attendance for students enrolled in distance education courses. Cost of attendance estimates vary depending on a student's enrollment level and living situation.

\$75.00 Technology Fee

The cost of attendance consists of the following base components: tuition and fees, books and supplies, transportation, room and board, and personal expenses. Adjustments may be made to the cost of attendance for students enrolled in distance education courses. Cost of attendance estimates vary depending on a student's enrollment level and living situation.

\$20.00 Learning Resource

The cost of attendance consists of the following base components: tuition and fees, books and supplies, transportation, room and board, and personal expenses. Adjustments may be made to the cost of attendance for students enrolled in distance education courses. Cost of attendance estimates vary depending on a student's enrollment level and living situation.

\$292.57 Tuition Foreign/International

The cost of attendance consists of the following base components: tuition and fees, books and supplies, transportation, room and board, and personal expenses. Adjustments may be made to the cost of attendance for students enrolled in distance education courses. Cost of attendance estimates vary depending on a student's enrollment level and living situation.

Estimated Time to Earn

Approximate: 2 years

Approximate: 2 years

Once admitted to the program, an Associate of Science in Nursing degree can be achieved in less than two years.

\$300.00 Mixed Fees

The following charges are made for tuition and fees each

\$292.57 Tuition Out-Of-State

The cost of attendance consists of the following base components:



## PREPARING FOR LICENSURE

- ▶ Will this program meet the educational requirements for licensure?
- ▶ Where can I find additional information about licensure requirements?
- ▶ What would this license enable me to do?
- ▶ How many students from the program I'm considering pass the licensure exam?





# PREPARING FOR LICENSURE

1 Has Outcome Data

Indiana BSN Programs Annual Pass Rates

**Description:**  
The National Council Licensure Examination-Registered Nurse (NCLEX-RN) is developed by the National Council of State Boards of Nursing, Inc. (NCSBN) and is used by all 50 states as a requirement for licensure. The national pass rate on the NCLEX-RN for first-time exam takers who graduated from baccalaureate pre-licensure programs was 90.3 percent for 2020.

Data Provider

Indiana State Board of Nursing

The Indiana State Board of Nursing accredits all nursing programs operating in the State of Indiana preparing individuals for initial licensure as either a Registered Nurse or a Licensed Practical Nurse. The Board does not review or accredit RN-BSN programs or any graduate level nursing programs. ...



Source



# EARNING INDUSTRY CERTIFICATIONS

- ▶ What certifications does this program prepare me to earn?
- ▶ Where can I find programs that will prepare me to earn a particular certification?
- ▶ Is this a certification promoted by the State of Indiana?





INDIANA COMMISSION *for*  
HIGHER EDUCATION



# MASTERING COMPETENCIES

- ▶ What am I going to learn in this program?
- ▶ I'm looking for learners who have this competency; what programs teach it?
- ▶ We hire a lot of graduates from a particular program; how can we better align the competencies they teach to the competencies we're looking for?



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- ✓ teamwork
  - ✓ Demonstrate an ability to work effectively in a team setting, including with other from different perspectives, gender, and cultures
  - ✓ Be able to identify and acknowledge other collaborators' contributions to the team effort
- ✓ Mathematics Competencies
  - ✓ Calculus
    - ✓ Demonstrate fluency in language of functions. Specifically, they will demonstrate proficiency in
      - ✓ Recognizing, calculating with, and modeling with polynomial, rational, algebraic, exponential, logarithmic, and trigonometric functions
      - ✓ Recognizing, calculating with, and modeling with inverse functions
      - ✓ Recognizing, calculating with, and interpreting limits of functions including limits at infinity
      - ✓ Recognizing, establishing, and applying continuity of functions
    - ✓ Demonstrate proficiency in calculating, estimating, expressing, and interpreting average, relative, and instantaneous rates of change of one quantity with respect to another, using the language of differential calculus. This includes situations when the relationship between the quantities takes the form of a table, a graph, a textual description, and a symbolic formula
    - ✓ Demonstrate proficiency in modeling optimization problems in a variety of contexts, both applied and abstract. This includes creating independent and dependent variables, translating constraint information into an interval of values for the independent variable, solving the resulting optimization problem using techniques from differential calculus, and drawing qualitative conclusions from the numerical solutions
    - ✓ Demonstrate proficiency in calculating, estimating, expressing, and interpreting the accumulated change of one variable, given its rate of change with respect to another variable, using the language of integral calculus. This includes situations when the relationship takes the form of a table, a graph, a textual description, and a symbolic formula
    - ✓ Demonstrate proficiency in the expression of mathematical reasoning by stating, applying in appropriate problems, and interpreting the major milestone theorems of one-variable calculus, specifically: the Intermediate Value Theorem, the Mean Value Theorem, and the Fundamental Theorem of Calculus
    - ✓ Demonstrate understanding of the meaning of the integral and how it is related to derivatives and functions presented in various forms such as algebraic, graphical, and numerical descriptions. This includes the proficiency in relating, calculating and interpreting Riemann sums and similar quantities as approximations to integrals
  - ✓ Demonstrate mastery in techniques of integration. Specifically
    - ✓ Definite and indefinite integration of polynomial, rational, algebraic, exponential, logarithmic, and trigonometric functions as well as improper integrals
    - ✓ How to use different techniques such as integration by parts, function substitution and partial fractions including important special cases such as trigonometric substitutions
    - ✓ Recognizing when to use different techniques and how to combine different techniques with other skills such as the use of trigonometric identities and recursive iteration in order to evaluate integrals
  - ✓ Demonstrate proficiency in modeling problems in a variety of contexts, both applied and abstract. This includes calculating arclength, surface area and volume of geometric objects by reducing the problem to one of integration, and solving problems stated in "real world" context including optimization
  - ✓ Demonstrate proficiency in understanding and analyzing sequences and series. Including
    - ✓ Understanding the meaning of sequences and infinite series, and the meaning of convergence and possible ways in which they can diverge
    - ✓ Understanding how certain tests for convergence are derived, and proficiency in using various test criteria to determine the convergence or divergence for sequences and series
  - ✓ Demonstrate proficiency in calculating, estimating, expressing, and manipulating power series. This includes calculating and understanding the meaning of Taylor polynomials and Taylor-Maclaurin series for smooth functions at different points, finding and understanding the meaning of the radius of convergence of general power



# TRANSFER PATHWAYS

- ▶ Will the credits from my associate degree transfer into this bachelor's program?
- ▶ I want to earn a specific bachelor's degree, but I want to start at Ivy Tech or VU; what associate degrees should I take so I don't lose credit transferring?
- ▶ What is the Indiana College Core and will it transfer?





**VINCENNES**  
UNIVERSITY  
*Associate's Degree*

**A.S. in Nursing**  
Vincennes University

Show 2 Locations

The ASN Program provides graduates who are eligible for the ASN Program.

3 Quality Assurance

1 Time Estimate

Advanced Standing

Advanced Standing

Advanced Standing

Advanced Standing

11

Advanced Standing For 11 Credentials

Credentials


B.S. in Nursing (IU) - RN to BSN

Indiana University Purdue University Indianapolis

The RN to BSN Online Degree Completion Option is designed for the working RN who has earned a two-year associate degree or diploma in nursing and is busy with career and family responsibilities but wants to be prepared to meet the future challenges of health care by completing a Bachelor of Science in Nursing (BSN) degree.

Bachelor's Degree

Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other (51.3899)



B.S. in Nursing (IU) - RN to BSN

Description:

Transfer Single Articulation Pathways (TSAPs) are competency-based degree tracks designed to promote seamless transfer from a public 2-year to a public 4-year degree program.

Credentials

B.S. in Nursing (Post-Licensure)

Ball State University

If you're looking for a straight path from your RN credential to your bachelor's in nursing, Ball State University provides an online RN to BS degree that's reputable, flexible, affordable, and ultimately, makes you more marketable.

Bachelor's Degree

Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other (51.3899)

B.S. in Nursing (Post-Licensure)

Description:

Transfer Single Articulation Pathways (TSAPs) are competency-based degree tracks designed to promote seamless transfer from a public 2-year to a public 4-year degree program.

Credentials

B.S. in Nursing (Post-Licensure)

Indiana University Bloomington

Earning a Bachelor of Science in Nursing (BSN) degree will prepare you for a career as a professional nurse ready to provide care to individuals, families, communities, and populations in settings ranging from hospitals to school clinics to nursing homes.

Bachelor's Degree

Registered Nursing, Nursing Administration, Nursing Research and Clinical Nursing, Other (51.3899)



B.S. in Nursing (Post-Licensure)

Description:

Transfer Single Articulation Pathways (TSAPs) are competency-based degree tracks designed to promote seamless transfer from a public 2-year to a public 4-year degree program.

# HIGH SCHOOLS AND THE INDIANA COLLEGE CORE

- ▶ At which high schools can students earn the Indiana College Core?
- ▶ What criteria are used to determine when a high school can be listed as a delivery site for the Core?
- ▶ Where can I get more information about the Core at my school?



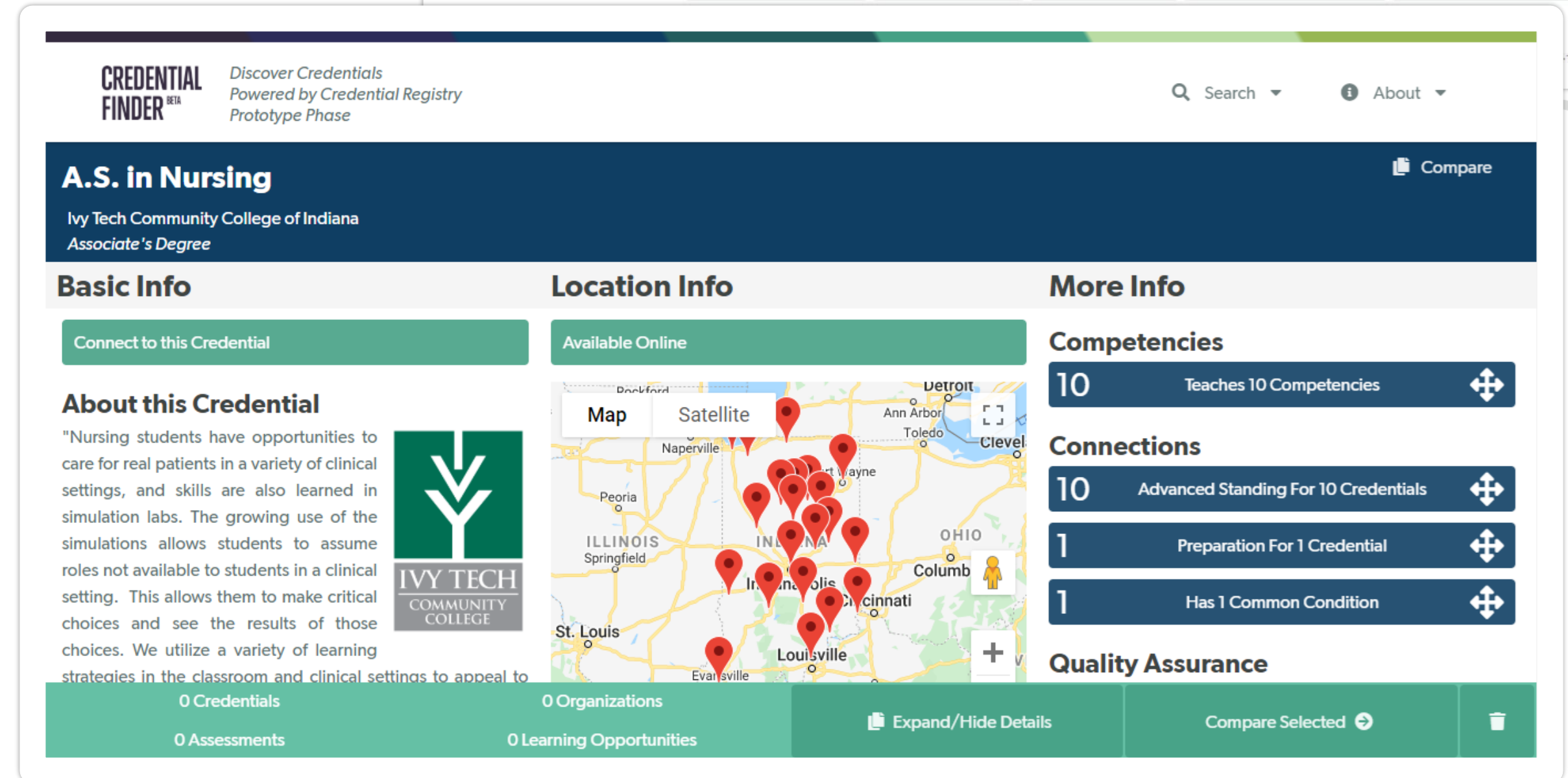
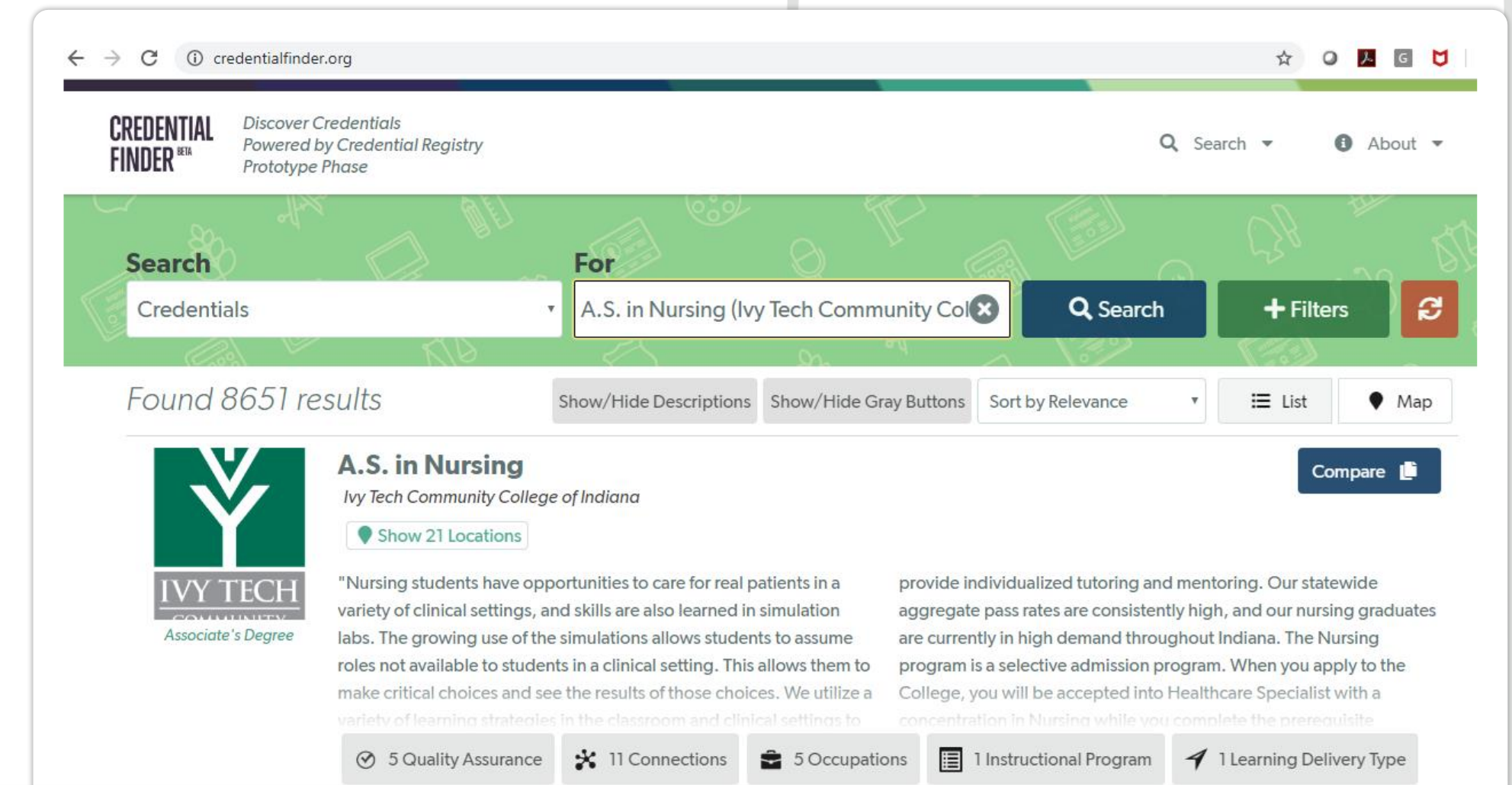
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# DATA: PUBLISHED & TO BE PUBLISHED



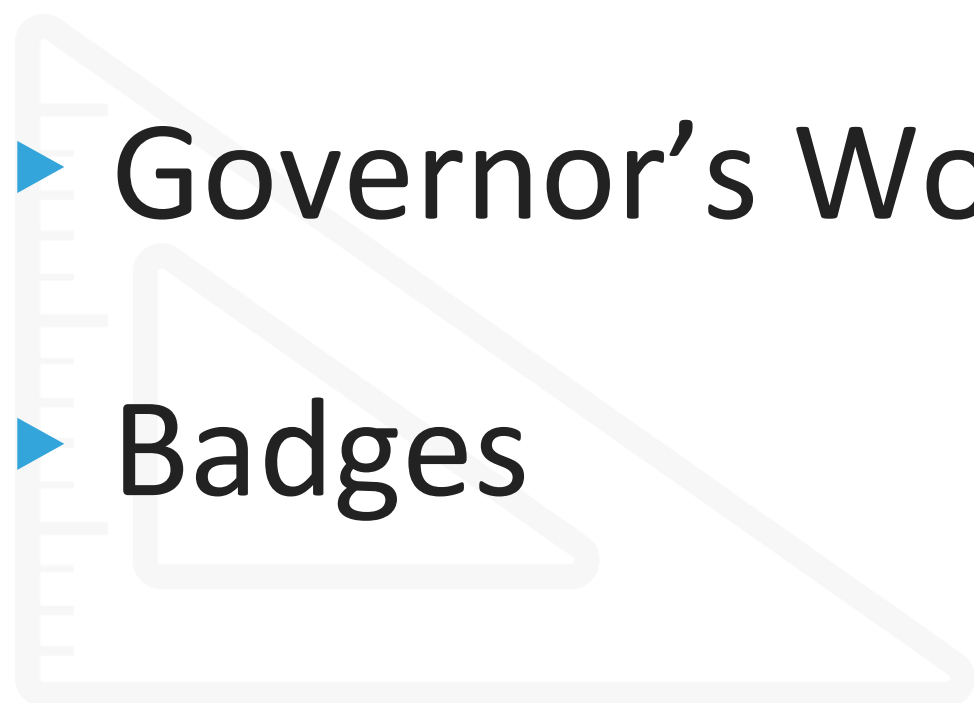
# INDIANA PROGRAMS PUBLISHED

- ▶ Public Sector:
  - ✓ All 2- and 4-year campuses
  - ✓ All certificate and degree programs at
  - ✓ All levels
- ▶ Two Private, Non-Profit Institutions
- ▶ One Proprietary Institution
- ▶ 3,000+ Indiana Credentials



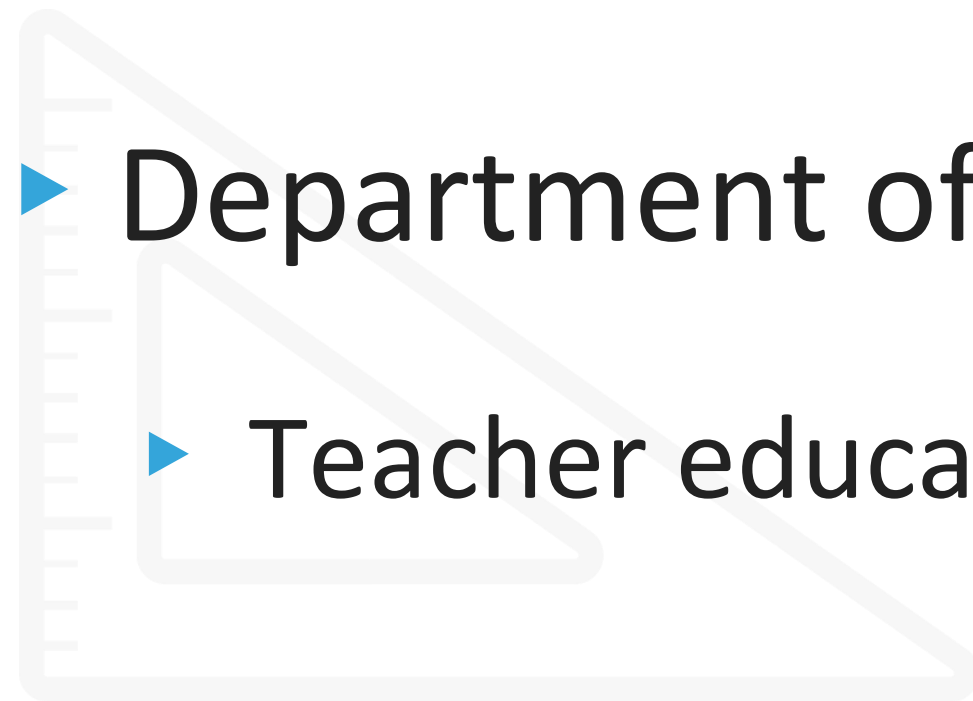
## MORE DATA TO BE PUBLISHED - 1

- ▶ Return on Investment (ROI) data
- ▶ Transfer options (TSAPS already published, more coming)
- ▶ Accreditation (some already published, more coming)
- ▶ Competencies for Ivy Tech, Purdue Global (competencies for all programs should be published)
- ▶ Governor's Workforce Cabinet, Next Level Programs of Study
- ▶ Badges



## MORE DATA TO BE PUBLISHED - 2

- ▶ Department of Workforce Development
  - ▶ INTraining, including Eligible Trainer Provider List (ETPL)
  - ▶ Promoted Certifications
  - ▶ Registered apprenticeships
- ▶ Professional Licensing Agency, all licenses & boards
- ▶ Department of Education
  - ▶ Teacher education



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# GETTING THE DATA USED



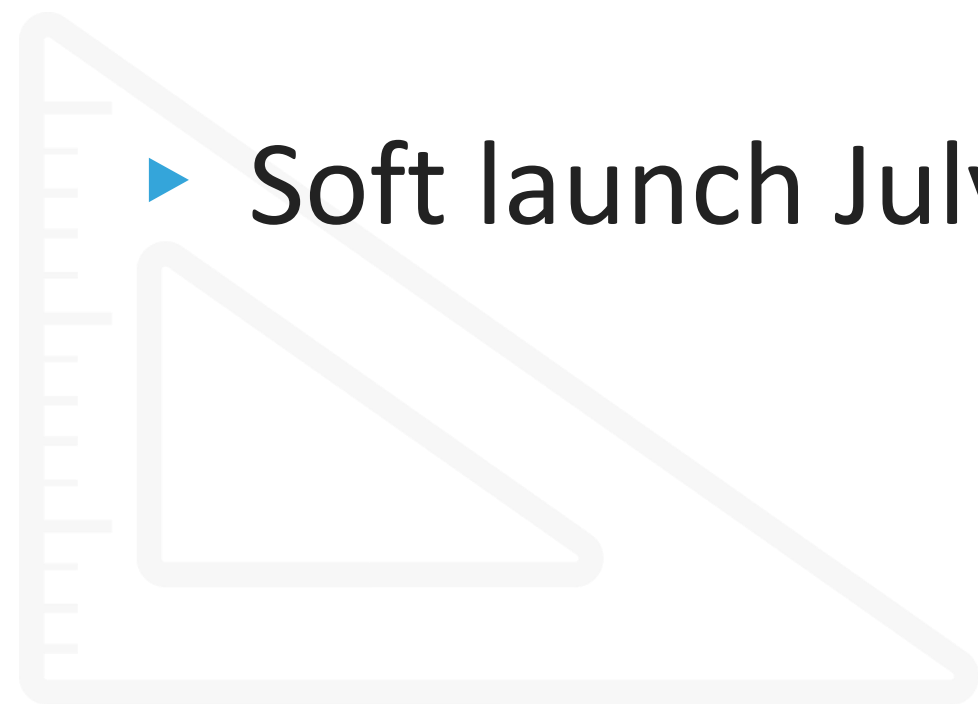
# INTEGRATION WITH SEARCH TOOLS

- ▶ LearnMore's School Finder



- ▶ Career Explorer

- ▶ Free tool for exploring careers consistent with an individual's interests & aptitudes
- ▶ Applicable learners of all ages
- ▶ Statewide contract signed with Futures, Inc.
- ▶ Soft launch July 1, 2021



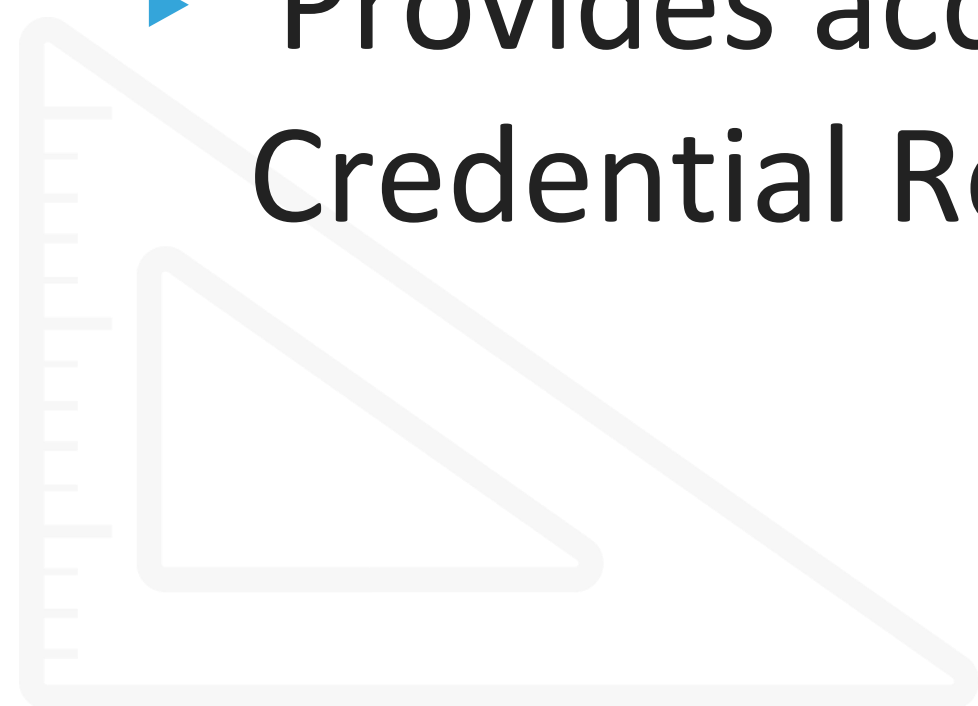
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# CREDENTIAL ENGINE & DIGITAL CREDENTIALS



# INTEGRATION WITH e-TRANSCRIPTS

- ▶ Indiana's e-Transcript Program:
  - ▶ High school-to-college & college-to-college (soon)
  - ▶ Parchment, the platform for e-Transcripts
- ▶ Ivy Tech licenses Parchment's digital credential product, which
  - ▶ Provides access to information published about the credential in the Indiana Credential Registry



# CONTACT INFORMATION

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**HIGHER EDUCATION**